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please call

1-800-Belden1



General Description:

Video Cable , Plenum-CMP, 5-25 AWG solid bare copper, foam FEP insulation, Beldfoil®+95% tinned copper interlocked serve, inner Flamarrest® jackets, Flamarrest® jacket

Usage (Overall)

Suitable Applications: Video

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 5 | 25 | Solid | TC - Tinned Copper | 0.018 |

Total Number of Conductors: 5

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|-----------------------------|------------|
| Gas-injected FEP - Foam FEP | 0.074 |

Inner Shield

Inner Shield Material:

| Layer # | Type | Inner Shield Material | Coverage (%) |
|---------|-------|------------------------------|--------------|
| 1 | Tape | Aluminum Foil-Polyester Tape | 100.000 |
| 2 | Serve | TC - Tinned Copper | 95.000 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.104 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|---------|
| 1 | Gray #1 |
| 2 | Gray #2 |
| 3 | Gray #3 |
| 4 | Gray #4 |
| 5 | Gray #5 |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|-----------------------|
| Unjacketed |

Overall Cable

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 0.275 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 46 lbs/1000 ft.

Max. Recommended Pulling Tension: 20 lbs.

Min. Bend Radius (Each Coax): 1.250 in.

Min. Bend Radius (Overall): 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|-----|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|----------------|---|
| UL Flame Test: | NFPA 262 Plenum Flame Test (UL910)(FT6) |
|----------------|---|

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|--------------------|--------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 1397S5 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 75 |

Nom. Capacitance Conductor to Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 17.0 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 80 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 34 |

Nom. Inner Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 5.4 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.52 |
| 5 | 1.17 |
| 50 | 3.7 |
| 100 | 4.9 |
| 200 | 6.7 |
| 400 | 9.5 |
| 750 | 13.4 |
| 900 | 15.0 |
| 1000 | 15.8 |
| 3000 | 31.2 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 1.000 | 1000.000 | 15.000 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|--------------------------------|
| 1398S5 0081000 | 1,000 FT | 51.000 LB | GRAY | | 5X #25RGB COAX CMP BANANA PEEL |
| 1398S5 008250 | 250 FT | 14.750 LB | GRAY | | 5X #25RGB COAX CMP BANANA PEEL |

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1398S5 Coax - RGB Video Cable

| | | | | |
|---------------|--------|-----------|------|--------------------------------|
| 1398S5 008500 | 500 FT | 27.000 LB | GRAY | 5X #25RGB COAX CMP BANANA PEEL |
|---------------|--------|-----------|------|--------------------------------|

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